

I CLAIM:

1. A housing for an electronic device, comprising:

a housing wall that confines an inner space therein and that is formed with a window for access
5 into said inner space;

a rail unit formed on said housing wall and disposed adjacent to said window; and

a window panel mounted movably on said rail unit and movable between a closed position, in which said
10 window is covered by said window panel, and an open position, in which at least a portion of said window is exposed from said window panel.

2. The housing of Claim 1, wherein said window has two opposite sides, said rail unit including a pair
15 of opposite first rails, each of which defines a first guiding groove that is disposed adjacent to a respective one of said opposite sides of said window, said window panel having two opposite sides, each of which has opposite top and bottom ends, said window
20 panel being formed with a pair of first studs that respectively project from said top ends of said opposite sides of said window panel into said first guiding grooves in said first rails.

3. The housing of Claim 2, wherein said rail unit
25 further includes a pair of opposite second rails, each of which defines a second guiding groove and each of which is disposed below and is aligned with a

respective one of said first rails, said window panel being further formed with a pair of second studs that respectively project from said bottom ends of said opposite sides of said window panel into said second
5 guiding grooves in said second rails.

4. The housing of Claim 3, wherein each of said first rails includes a pair of parallel first inner and outer ribs that cooperatively define said first guiding groove therebetween, said first inner rib
10 having opposite top and bottom ends and a side face that extends from said bottom end of said first inner rib to said top end of said first inner rib, and that confines one side of said first guiding groove, said first inner rib further having a top end face that
15 extends transversely from said side face of said first inner rib, each of said first studs being in sliding contact with said side face of said first inner rib of the respective one of said first rails when said window panel is disposed between said closed and open
20 positions, and being seated on said top end face of said first inner rib of the respective one of said first rails when said window panel is moved to said closed position.

5. The housing of Claim 4, wherein each of said second
25 rails includes a pair of parallel second inner and outer ribs that cooperatively define said second guiding groove therebetween, said second inner rib

- having opposite top and bottom ends and a side face that extends from said bottom end of said second inner rib to said top end of said second inner rib, and that confines one side of said second guiding groove, said
- 5 second inner rib further having a top end face that extends transversely from said side face of said second inner rib, each of said second studs being in sliding contact with said side face of said second inner rib of the respective one of said second rails
- 10 when said window panel is disposed between said closed and open positions, and being seated on said top end face of said second inner rib of the respective one of said second rails when said window panel is moved to said closed position.
- 15 6. The housing of Claim 5, further comprising an urging member that is mounted on said housing wall and that abuts against said window panel when said window panel is moved to said closed position.
7. The housing of Claim 6, wherein said window panel
- 20 is formed with a protrusion that projects transversely therefrom and that defines an inclined face inclined relative to said window panel and having an inner end and an outer end which is opposite to said inner end and which is distal from said window panel, said urging member
- 25 having a spring arm with a free end that is in sliding contact with and that abuts against said inner end of said inclined face of said protrusion when said window

panel is moved from said open position to a position adjacent to said closed position, and that is in sliding contact with and that abuts against said outer end of said inclined face of said protrusion when said window panel is moved further to said closed position, said spring arm of said urging member being moved in a direction away from said window panel when slid from said inner end to said outer end of said inclined face of said protrusion upon movement of said window panel from said open position to said closed position, thereby providing an urging force against said window panel to retain releasably said window panel at said closed position.

8. The housing of Claim 4, wherein said side face of said first inner rib of each of said first rails has an inclined segment that extends inclinedly from said top end face of said first inner rib.

9. The housing of Claim 5, wherein said side face of said second inner rib of each of said second rails has an inclined segment that extends inclinedly from said top end face of said second inner rib.

10. The housing of Claim 1, further comprising a friction providing unit including a first friction member that is mounted on said housing wall, and a second friction member that is mounted on said window panel and that engages frictionally and movably said first friction member so as to provide a frictional force between said window panel and said housing wall

upon movement of said window panel between said closed and open positions.

11. The housing of Claim 10, wherein said window panel has two opposite sides, said window having two opposite sides, said first friction member including a pair of pinions that are mounted on said housing wall and that are respectively disposed adjacent to said opposite sides of said window, said second friction member including a pair of racks that are respectively mounted on said opposite sides of said window panel, and that engage respectively said pinions.

12. An electronic device, comprising:

a housing adapted to receive electronic components therein and including

15 a housing wall that confines an inner space therein and that is formed with a window for access into said inner space,

a rail unit formed on said housing and disposed adjacent to said window, and

20 a window panel mounted movably on said rail unit and movable between a closed position, in which said window is covered by said window panel, and an open position, in which at least a portion of said window is exposed from said window panel.

25 13. The electronic device of Claim 12, wherein said window has two opposite sides, said rail unit including a pair of opposite first rails, each of

which defines a first guiding groove that is disposed adjacent to a respective one of said opposite sides of said window, said window panel having two opposite sides, each of which has opposite top and bottom ends, said window panel being formed with a pair of first studs that respectively project from said top ends of said opposite sides of said window panel into said first guiding grooves in said first rails.

14. The electronic device of Claim 13, wherein said rail unit further includes a pair of opposite second rails, each of which defines a second guiding groove and each of which is disposed below and is aligned with a respective one of said first rails, said window panel being further formed with a pair of second studs that respectively project from said bottom ends of said opposite sides of said window panel into said second guiding grooves in said second rails.

15. The electronic device of Claim 14, wherein each of said first rails includes a pair of parallel first inner and outer ribs that cooperatively define said first guiding groove therebetween, said first inner rib having opposite top and bottom ends and a side face that extends from said bottom end of said first inner rib to said top end of said first inner rib, and that confines one side of said first guiding groove, said first inner rib further having a top end face that extends transversely from said side face

of said first inner rib, each of said first studs being in sliding contact with said side face of said first inner rib of the respective one of said first rails when said window panel is disposed between said closed and open positions, and being seated on said top end face of said first inner rib of the respective one of said first rails when said window panel is moved to said closed position.

16. The electronic device of Claim 15, wherein each of said second rails includes a pair of parallel second inner and outer ribs that cooperatively define said second guiding groove therebetween, said second inner rib having opposite top and bottom ends and a side face that extends from said bottom end of said second inner rib to said top end of said second inner rib, and that confines one side of said second guiding groove, said second inner rib further having a top end face that extends transversely from said side face of said second inner rib, each of said second studs being in sliding contact with said side face of said second inner rib of the respective one of said second rails when said window panel is disposed between said closed and open positions, and being seated on said top end face of said second inner rib of the respective one of said second rails when said window panel is moved to said closed position.

17. The electronic device of Claim 16, further

comprising an urging member that is mounted on said housing wall and that abuts against said window panel when said window panel is moved to said closed position.

18. The electronic device of Claim 17, wherein said window panel is formed with a protrusion that projects transversely therefrom and that defines an inclined face inclined relative to said window panel and having an inner end and an outer end which is opposite to said inner end and which is distal from said window panel, said urging member having a spring arm with a free end that is in sliding contact with and that abuts against said inner end of said inclined face of said protrusion when said window panel is moved from said open position to a position adjacent to said closed position, and that is in sliding contact with and that abuts against said outer end of said inclined face of said protrusion when said window panel is moved further to said closed position, said spring arm of said urging member being moved in a direction away from said window panel when slid from said inner end to said outer end of said inclined face of said protrusion upon movement of said window panel from said open position to said closed position, thereby providing an urging force against said window panel to retain releasably said window panel at said closed position.

19. The electronic device of Claim 15, wherein said side face of said first inner rib of each of said first

rails has an inclined segment that extends inclinedly from said top end face of said first inner rib.

20. The electronic device of Claim 16, wherein said side face of said second inner rib of each of said second rails has an inclined segment that extends inclinedly from said top end face of said second inner rib.

21. The electronic device of Claim 12, further comprising a friction providing unit including a first friction member that is mounted on said housing wall, and a second friction member that is mounted on said window panel and that engages frictionally and movably said first friction member so as to provide a frictional force between said first and second friction members upon movement of said window panel between said closed and open positions.

22. The electronic device of Claim 21, wherein said window panel has two opposite sides, said window having two opposite sides, said first friction member including a pair of pinions that are mounted on said housing wall and that are respectively disposed adjacent to said opposite sides of said window, said second friction member including a pair of racks that are respectively mounted on said opposite sides of said window panel, and that engage respectively said pinions.